



**US Army Corps  
of Engineers®**

Engineer Research and  
Development Center

# US Army Engineer Research and Development Center

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## **Background**

The U.S. Army Engineer Research and Development Center (ERDC) is one of the most diverse engineering and scientific research organizations in the world, combining all Corps of Engineers R&D operations into one organization. The ERDC conducts research for Corps civil works and military projects, as well as for other federal agencies, state and municipal authorities, and with U.S. industry through innovative work agreements.

## **Organization**

The ERDC consists of seven unique laboratories in four locations: Construction Engineering Research Laboratory in Champaign, Ill., Cold Regions Research and Engineering Laboratory in Hanover, N.H., Topographic Engineering Center in Alexandria, Va., and the Coastal and Hydraulics, Geotechnical and Structures, Environmental, and Information Technology Laboratories in Vicksburg, Miss. ERDC laboratories work together to address a wide variety of problems facing combat engineers, military installations and civilian projects. The ERDC staff totals more than 2,000 engineers, scientists and support personnel, with an annual research program of more than \$698 million.

## **Research Areas**

The ERDC focuses on five primary areas in support of Army transformation and the Corps of Engineers civil works mission: Warfighter Support, Installations, Environment, Water Resources, and Information Technology.

## **Facilities and Expertise**

The ERDC has \$1.2 billion in facilities and equipment, including some of the most unique and modern research facilities in the world. The ERDC hosts one of four Department of Defense High Performance Computing (HPC) Centers; the ERDC HPC Center has four supercomputers with a capability of 6.5 trillion calculations a second. Other facilities include the world's most powerful centrifuge, a permafrost tunnel, physical models of inland and coastal areas, shake tables, vehicle simulators, chemistry laboratories, frost and ice engineering facilities, an 1800-foot coastal research pier, and a wide variety of specialized laboratory and computer areas to support diverse ERDC research missions.

Perhaps the most impressive asset of the ERDC is its people – the experience, knowledge and expertise of its engineers, scientists and support personnel allow the ERDC to provide quality solutions to the complex challenges facing our nation. The ERDC was recognized for its expertise by being named the 2002 U.S. Army R&D Organization of the Year.

## **Point of Contact**

For more information on the U.S. Army Engineer Research and Development Center, please visit the ERDC web site at [www.erdcd.usace.army.mil](http://www.erdcd.usace.army.mil), or contact the ERDC Public Affairs Office by telephone at (601) 634-2505.